


# Action Plan for Learning

	<b>School Name:</b> Eagle Mountain Middle
	<b>School Context Link:</b>
	<b>School Goal:</b> Numeracy
	<b>School Year:</b> 2016-2017

<b>Goal / Inquiry</b> Student learning	<b>How can we better prepare students to understand the mathematical information presented to them about the world and use that information to further drive their thinking?</b>
---	--

<b>Rationale</b> 1-3 reasons for choosing goal	<p>Over the past two years in opening our new middle school, Eagle Mountain teachers have worked collaboratively to develop and enhance all students' learning through inquiry based learning skills and strategies. Our school's journey towards integrating and innovating has helped us to continue to refine our collective vision of "learners at the centre" and prepare our learners for the 21st Century.</p> <p>This past year our goal was to help establish and develop a Growth Mindset in our learners and build that common language for learning across the curriculum. Coupled with this focus has been the embracing of the competencies of the revised curriculum within the BCED Plan. Teachers have observed and noted over the course of this year how students have become more resilient in their thinking, how they enjoy taking on challenges, and problem solve to find ways around obstacles in their learning. "I can do this!" has been a motto running throughout our student community, and "We can do this together!" has been an echo from our teachers about this collaborative learning process.</p> <p>Inquiry and integrated studies continue to be cornerstones to our school-wide vision. As we move forward, keeping all these aspects of our story intact, we want to further integrate and build capacity for increased mathematical conceptual thinking. They are two important aspects of this: first to look at how math can be connected to and integrated within other parts of the curriculum, and second to continue to develop a Growth Mindset perspective within math for our learners. In her (2016) book "Mathematical Mindsets" Jo Boaler describes what this can look like, "Successful math users search for patterns and relationships and think about connections. They approach math with a mathematical mindset, knowing that math is a subject of growth and their role is to learn and think about new ideas" (p. 34). So as we continue to prepare our learners to build strategies and skills for the 21<sup>st</sup> century, we know that developing a mathematical mindset will be critically important for their success.</p>
---	--

<b>References</b> and sources to support actions	<p><b>Book resource</b> – "Mathematical Mindsets: unleashing students' potential through creative math, inspiring messages and innovative teaching" by Jo Boaler (2016). A copy of this resource will be given to all core classroom teachers and learning services teachers.</p> <p><b>BCED Plan 2015</b> – <a href="#">bcs_education_plan_2015.pdf</a></p> <p><b>Ministry of Education Math K-9 new curriculum documents</b> - <a href="#">m_learning_standards.pdf</a></p>
--	---

	<p><b>BUILDING STUDENT SUCCESS: BC's new curriculum documents -</b>  <a href="https://curriculum.gov.bc.ca/curriculum/mathematics/6">https://curriculum.gov.bc.ca/curriculum/mathematics/6</a>  <a href="https://curriculum.gov.bc.ca/curriculum/mathematics/7">https://curriculum.gov.bc.ca/curriculum/mathematics/7</a>  <a href="https://curriculum.gov.bc.ca/curriculum/mathematics/8">https://curriculum.gov.bc.ca/curriculum/mathematics/8</a></p> <p><b>Other websites –</b>  <a href="https://www.youcubed.org/">https://www.youcubed.org/</a>  <a href="http://nrich.maths.org/frontpage">http://nrich.maths.org/frontpage</a></p>
Backup Documentation	

<p><b>Planned Actions</b>  Continuing practices working well (1-3)</p> <ul style="list-style-type: none"> <li>• What will we do differently? (1-3)</li> <li>• How will we provide for staff development and collaboration?</li> <li>• How will we involve parents?</li> <li>• How will we involve students?</li> <li>• How will we monitor progress and adjust actions?</li> </ul>	<p>Plan for best practices:  Eagle Mountain staff is committed to continuing their work to develop 21st Century competencies, knowledge, skills and attitudes for all of our learners. This is supported through the following innovations :</p> <ul style="list-style-type: none"> <li>• an inquiry based learning approach</li> <li>• an integrated curriculum model where subjects are blended under common themes</li> <li>• a focus on core competencies from the BCED Plan</li> <li>• contemporary teaching and learning strategies to support deep thinking</li> <li>• personalized learning strategies</li> <li>• flexible learning environments</li> <li>• a collaborative approach through teams where learners are grouped for 30 months of learning and connect with multiple teachers</li> <li>• brain research focused on early adolescence</li> <li>• continued focus on strengths and the use of formative assessment practices</li> <li>• digital reporting tools (Freshgrade) and three-way face-to-face conferences that communicate student learning</li> <li>• learning empowered by technology through our BYOD policy</li> <li>• developing a Growth Mindset by allowing our learners to make mistakes and learn from them</li> </ul> <p>Planned actions include:</p> <ul style="list-style-type: none"> <li>• Professional learning for teachers about math curriculum planning</li> <li>• Regular communication with parents about changes to the revised math curriculum and building upon big ideas (math concepts) via PAC meetings, newsletters, report conferences as part of our CSL plan</li> <li>• Intentional instruction and time for students to further build and develop math conceptual thinking, and link math to real life examples</li> </ul> <p>Monitoring progress:</p> <ul style="list-style-type: none"> <li>• We will collect qualitative data in October, January and April to monitor our progress.</li> <li>• We will intentionally examine our work throughout the year at staff meetings and team leader meetings, school-based professional days, and through the use of collaborative Friday times which are embedded into our weekly schedule. Ideas for the implementation of math big ideas, specific math concept instruction and strategies, and types of assessments will be discussed and disseminated at each team level and implemented accordingly within each classroom. Feedback from classroom teachers and students will come back through these channels for continual reflection and revision as it relates to our numeracy goal.</li> </ul>
--	--

Backup Documentation	 <p>2016 MDI School Report Eagle Mountai</p>
----------------------	--

<p><b>Documentation of learning</b></p> <p>Key evidence of change</p> <ul style="list-style-type: none"> <li>• How did your actions make a difference?</li> <li>• Choose 1-3 pieces of evidence to demonstrate the impact your actions have had on student learning to meet your goal.</li> <li>• Documentation could include video, survey results, performance standard data, anecdotal evidence, work samples, etc.</li> </ul>	
---	--

Backup Documentation	 <p>Eagle - CBA for APL 2016.pdf</p>
----------------------	---


<p><b>School Community Engagement Process</b></p> <ul style="list-style-type: none"> <li>• How did you engage parents, teachers, students &amp; support staff in developing your APL?</li> <li>• How did you share your APL goals with parents, teachers, students &amp; support staff?</li> </ul>	
--	--

Backup Documentation	
----------------------	--

<p><b>Reflection Highlights</b></p> <ul style="list-style-type: none"> <li>• Where are we now?</li> <li>• What are some patterns emerging?</li> <li>• What surprised you?</li> <li>• What conclusions / inferences might you draw?</li> <li>• How does this inform</li> </ul>	
---	--

potential next steps?	
Backup Documentation	

**(Delete this section if Literacy is your main goal)**

<b>Literacy Data</b> Attach the following: <ul style="list-style-type: none"> <li>• Classroom Assessment</li> <li>• School Assessment</li> <li>• FSA results</li> </ul>	 Eagle - CBA for APL 2016.pdf
--	--

## Signatures

<b>School Name:</b>	<b>School Goal: Choose a goal area.</b>	<b>School Year:</b>
---------------------	---	---------------------

Title	Name	Signature
Principal		
Assistant Superintendent		

<b>Print this page, have it signed by Principal &amp; Assistant Superintendent, scan it and attach it here</b>	
--	--